



# **California Energy Commission Joint Committee Workshop**

**July 12, 2007**

**Port of Los Angeles**



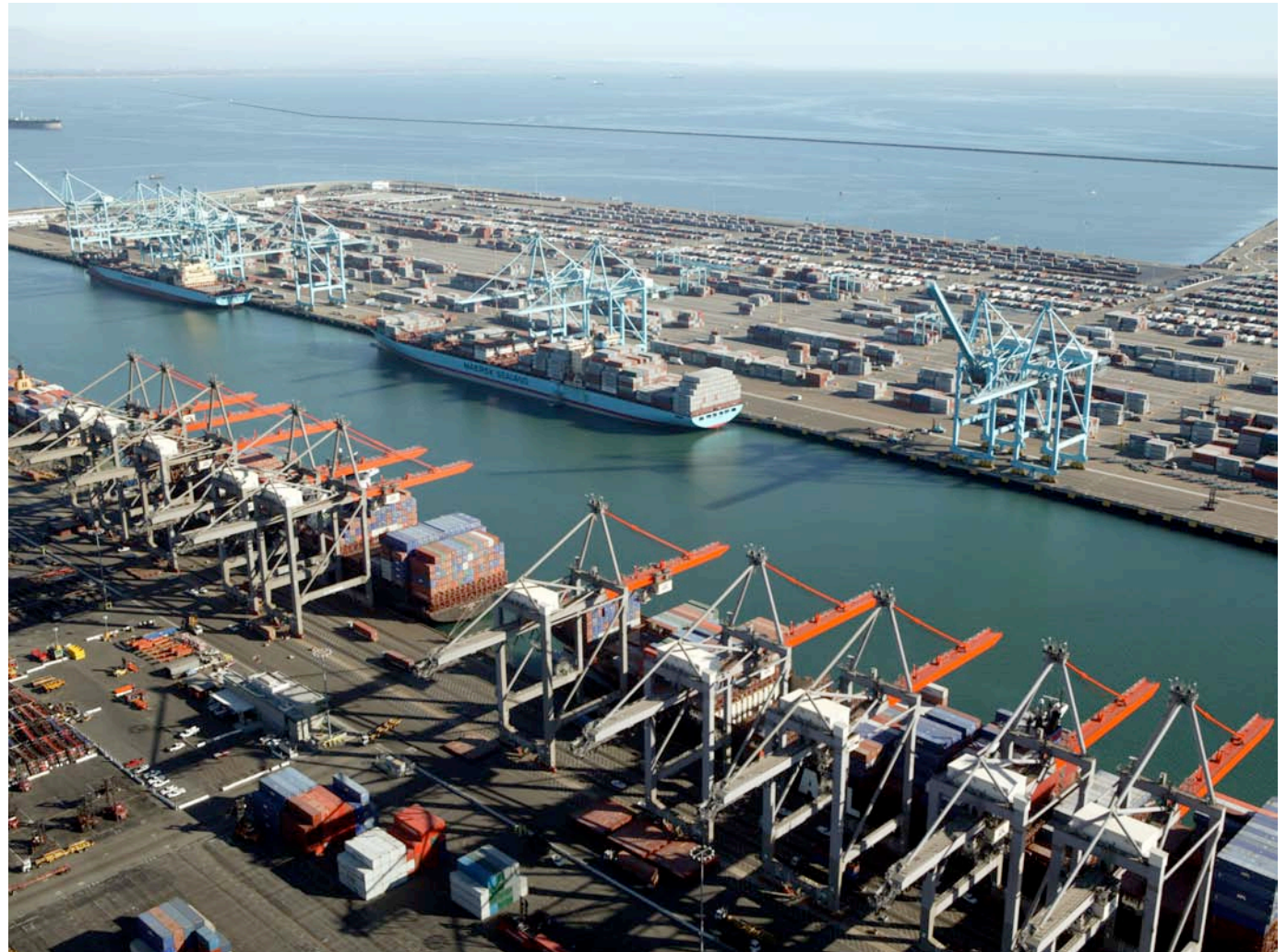
# Port of Los Angeles







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- **Largest Container Port in the U.S., 7<sup>th</sup> in the World**
- **7500 acres of land and water**
- **30 major cargo terminals (container, liquid bulk, dry bulk, break bulk)**
- **10 liquid bulk facilities**



# Port of Los Angeles



- **Proprietary department of City of Los Angeles**
- **Self-supporting, no tax revenues**
- **\$412 million in operating revenue (FY2006)**
- **Landlord port (lease land and water areas)**
- **State of California Tidelands**





## Port of Los Angeles Marine Oil Facilities

- **Currently, ten liquid bulk terminals (8 marine, 2 inland)**
- **Terminals include 13 berths with depths of –32 feet to – 40 feet**
- **8.6 million barrels of storage**
- **Nine refineries with 1.17 million BPD capacity in Los Angeles region**





## Westways, Berths 70-71



- Chemicals, products
- 1 berth, -35'
- 594,000 barrels of storage





## Kinder-Morgan, Berths 118-121



- Products
- Two berths, -33' to -35'
- 523,000 barrels of waterfront storage
- 1,780,000 barrels of inland storage





## ConocoPhillips, Berths 148-151



- Two berths, -35'
- 846,000 barrels of storage



## Shell, Valero, Shore Terminals, Berths 163-169



- Four berths, -35' to -40'
- 1,970,000 barrels of storage





## Vopak, Berths 187-190



- Two berths, -35'
- 700,000 barrels of waterfront storage
- 1,725,000 barrels of inland storage



## ExxonMobil, Berths 238-240



- Two berths, -30' to -35'
- 968,000 barrels of waterfront storage





## ExxonMobil, Terminal Island



- 1,300,000 barrels of storage
- Crude Oil



## Marine Oil Terminals Impacted

- **Kinder-Morgan, B. 172**
- **UNOCAL 22<sup>nd</sup> St. tank farm**
- **Chevron, Berth 98**
- **ConocoPhillips, B. 148-151**  
**Kinder-Morgan, B. 118**
- **Amerigas, Berth 120**
- **Westways, Berth 70**





## Port of Los Angeles Proposed Marine Oil Facilities



- **Pier 400 crude oil receiving facility**  
(–81 feet channel depth, 2 berths, 4 million barrels of storage)
- **Reuse of Navy Reserve Center site (30 acres/3 million barrels)**
- **Valero relocation to Terminal Island**
- **Vopak inland terminal expansion**



## Plains All-American Pipeline, Pier 400



- Crude Oil Receiving
- -81' berth/channel depth
- Potential for 2 berths (375,000 DWT)





# Crude Oil and Petroleum Product Throughput

Port of Los Angeles  
(in barrels)

CY 2006

Crude Oil	1,861,000
Products	108,942,000
<b>TOTAL</b>	<b>110,803,000</b>



# Crude Oil and Petroleum Product Throughput

Port of Long Beach  
(in barrels)  
CY 2006

Crude Oil	151,632,000
Products	9,998,000
<b>TOTAL</b>	<b>161,630,000</b>





## Crude Oil/Product Forecasts

- **Port forecasts show 64 percent increase in waterborne crude oil receipts through San Pedro Bay from 2005 – 2025**
- **23 percent forecasted growth in inbound petroleum products through San Pedro Bay from 2005-2025**





## Port Development Issues/Challenges

- **Greater demands for use of port properties**
- **Need to minimize tankage on the waterfront**
- **Risk Management Planning**
- **Lack of long range interest from industry to develop new terminals**
- **No new fills planned in short term**





